

DIALOG(R)File 351:Derwent WPI  
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Measuring amt. of cement in cement mixt. - by previously mixing  
ferromagnetic material with cement and measuring magnetisation of mixt.  
with detecting coil

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2206757	A	19900816	JP 8927980	A	19890206	199039 B
JP 95113624	B2	19951206	JP 8927980	A	19890206	199602

Priority Applications (No Type Date): JP 8927980 A 19890206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 95113624	B2	7	G01N-027/72		Based on patent JP 2206757

Abstract (Basic): JP 2206757 A

Process to measure the amt. of cement in a cement mixt. where a  
ferromagnetic material is previously mixed in a cement to be used for  
preparing the cement mixt, then the magnetisation of the resulting  
cement mixt. is measured to determine the amt. of cement in the mixt.

The equipment comprises a vessel to obtain the cement mixt. a  
magnetic circuit using a permanent magnet or an electromagnet, a  
detecting coil, (which can case the cement mixt vessel), a means to  
support the vessel inside the detection coil, a means to transport the  
vessel in the direction which is parallel with the centre axis of the  
detection coil, and a device to integrate the change of the voltage  
generated in the detection coil.

USE/ADVANTAGE - The cement concn. can be measured on real time, no  
chemical treatment is necessary and the measuring equipment provides  
few errors. (5pp Dwg.No.0/4)

Derwent Class: J04; L02; S03

International Patent Class (Main): G01N-027/72